

controlling processing of the liquid based on the information, the obtaining to occur when the interior is accessible to said controller means.

2. (Amended) The liquid handling system of claim 1, wherein the controller means includes a user-interface capable of receiving input from a user.

3. The liquid handling system of claim 2, wherein the controller means further controls processing the liquid based on input received by the user-interface from the user.

4. (Amended) The liquid handling system of claim 3, wherein the controller means further controls processing the liquid by comparing the input received by the user-interface from the user to information read from the storage means.

5. The liquid handling system of claim 2, wherein the user-interface comprises a touch screen capable of receiving input from the user and displaying information about the liquid contained in the container.

6. (Amended) The liquid handling system of claim 1 further comprising:  
a cap for coupling with the container such that the liquid is sealed in the container;  
and  
a connector for coupling with the cap for dispensing the liquid from the container through the connector.

7. The liquid handling system of claim 6, wherein the storage means is mounted on the cap and the communication means is mounted on the connector.

8. The liquid handling system of claim 6, wherein the storage means is mounted on the connector and the communication means is mounted on the cap.

9. The liquid handling system of claim 1, wherein the communication means is a radio frequency (RF) antenna and the storage means is a passive radio frequency identification (RFID) tag.

10. The liquid handling system of claim 9, wherein the RFID tag comprises a passive RF transponder and an electrically erasable programmable read-only memory (EEPROM).

11. (Amended) A liquid handling system comprising:  
a container having an opening for holding a liquid;  
a cap for coupling with the opening for sealing the liquid in the container;  
a radio frequency identification (RFID) tag mounted on the cap;  
a connector for coupling with the cap for dispensing the liquid from the container through the connector;  
a radio frequency (RF) antenna mounted on the connector for reading information from the RFID tag; and  
a controller coupled with the RF antenna for processing the liquid based on the information, the reading to occur as said connector is coupled to said cap.

12. (Amended) The liquid handling system of claim 11, the connector further comprising:

a connector head; and

a probe extending from the connector head and insertable through a center of the cap and into the opening, the probe having a flow passage therein for coupling said connector to said cap.

13. The liquid handling system of claim 12, wherein a pump is coupled with the probe and with the flow passage for pumping liquid through the probe and the flow passage.

14. The liquid handling system of claim 11, wherein the RFID tag comprises a passive RF transponder and an electrically erasable programmable read-only memory (EEPROM).

15. The liquid handling system of claim 14, wherein the EEPROM stores information about the liquid contained in the container.

16. (Amended) A method of handling liquids comprising:

- providing a container for holding a liquid;
- coupling a storage device to the container;
- storing information about the liquid on the storage device;
- reading the information from the storage device; and
- controlling processing of the liquid with a controller based on the information, said reading to occur during said controlling.

17. The method of claim 16, further comprising:
- coupling a cap to the container such that the liquid is sealed in the container;
- coupling a connector to the cap such that the liquid can be dispensed from the container through the connector; and
- mounting an antenna to the connector.
18. The method of claim 16, wherein the electronic storage device is a RFID tag comprising a passive RF transponder and an electrically erasable programmable read-only memory (EEPROM).
19. The method of claim 18, wherein the EEPROM stores information relating to the liquid contained in the container.
20. (Amended) A material identification system comprising:
- identification means for storing information relating to a material at an interior of a container;
- communication means for reading the information from the identification means; and
- controller means coupled to the communication means for regulating processing of the material based on the information, the information obtained as the interior is accessible to said controller means.
21. (Amended) The material identification system of claim 20, wherein the controller means includes a user-interface capable of receiving input from a user.

22. The material identification system of claim 21, wherein the controller means further regulates processing of the material based on input received by the user-interface from the user.

23. The material identification system of claim 22, wherein the controller means further regulates processing the material by comparing the input received by the user-interface from the user to information read from the identification means to determine whether the material should be processed.

B1 24. The material identification system of claim 21, wherein the user-interface comprises a touch screen capable of receiving input from the user and displaying information about the material.

25. (Amended) A material identification system comprising:  
an identification tag for storing information relating to a material at an interior of a container;  
an antenna for reading and storing the information the  
information from the identification tag; and  
a controller coupled with the antenna to regulate  
processing of the material based on the information, the information obtained as the interior is in  
communication with said controller.

26. The material identification system of claim 25, wherein the controller comprises a user-interface capable of receiving input from a user.